## INTERNATIONAL SEARCH REPORT

International application No. PCT/KR2005/002587

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A. CLASSIFICATION OF SUBJECT MATTER						
IPC7 A47L 15/42						
According to International Patent Classification (IPC) or to both national classification and IPC						
B. FIELDS SEARCHED						
	cumentation searched (classification system followed i	by classification symbols)				
IPC 7 A47L 15/42, D06F33/00, D06F 39/08, F16L 25/00						
_	on searched other than minimum documentation to the	extent that such documents are included in the	fields searched			
KR, JP, IPC	as above					
Electronic dat	ta base consulted during the intertnational search (nam	e of data base and, where practicable, search ter	rms used)			
			•			
C. DOCUI	MENTS CONSIDERED TO BE RELEVANT		<del>,</del>			
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.			
Y	KR 10-2004-23108 A (LG ELECTRONCS, INC.) 1	8 March 2004	1-4, 6-9, 11-20			
	See the whole document					
Y	JP 07-265582 A (MATSUSHITA ELECTRIC IND.	CO., LTD.) 17 Octorber 1995	5, 10			
	See the whole document					
A	KR 20-341842 Y1 (CTM CO.) 03 Feburuery 2004	•	1-20			
	See the whole document					
A	US 20040154348 A (JONG SEOK KIM et al.) 12 August 2004		1-20			
	See the whole document					
Α	US5312138 A (JOHN L. PATERA et al.) 17 May 1994		1-20			
	See the whole document					
A.	JP 50-65279 U (TOSHIBA CORP.) 12 Jun 1975		1-20			
i	See the whole document	•				
A	JP 51-90661 U (MATSUSHITA ELECTRIC IND. C	CO., LTD.) 20 July 1976	1-20			
	See the whole document					
			<u> </u>			
Further	documents are listed in the continuation of Box C.	See patent family annex.				
	ategories of cited documents:	"T" later document published after the internatio	mal filing date or priority			
	defining the general state of the art which is not considered articular relevance	date and not in conflict with the application the principle or theory underlying the inventory				
"E" earlier app	dication or patent but published on or after the international	"X" document of particular relevance; the claims	ed invention cannot be			
filing date  "L" document which may throw doubts on priority claim(s) or which is  considered novel or cannot be consider  step when the document is taken alone		to involve an inventive				
cited to establish the publication date of citation or other special reason (as specified)		"Y" document of particular relevance; the claim considered to involve an inventive step with				
"O" document referring to an oral disclosure, use, exhibition or other		combined with one or more other such docu				
means "P" document published prior to the international filing date but later		being obvious to a person skilled in the art "&" document member of the same patent family	,			
	iority date claimed					
Date of the actual completion of the international search		Date of mailing of the international search rep	port			
16 NOVEMBER 2005 (16.11.2005)		17 NOVEMBER 2005 (1	17.11.2005)			
	ling address of the ISA/KR	Authorized officer				
	Corean Intellectual Property Office 20 Dunsan-dong, Seo-gu, Daejeon 302-701.	KIM, Sang Wook				
R	Republic of Korea 82-42-472-7140	Telephone No. 82-42-481-5476	الحالمالي			
CAUSHITHE NA	Λ/=(! /= 4 / /= / 1 (4))	/ Lejennone No. X7_47_4X1=34/6				

#### INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2005/002587

Box No. 1 Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)	
1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:	i
a. type of material	
a sequence listing	
table(s) related to the sequence listing	
b. format of material	
on paper .	
in electronic form	
c. time of filing/furnishing	
contained in the international application as filed	
filed together with the international application in electronic form  furnished subsequently to this Authority for the purposes of search	
·	
2. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been file or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.	<b>d</b>
3. Additional comments:	
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## PATENT COOPERATION TREATY

# **PCT**

#### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 05FLWW098	FOR FURTHER ACTION	See item 4 below			
International application No. PCT/KR2005/002587	International filing date (day/month/year) 09 August 2005 (09.08.2005)	Priority date (day/month/year) 16 August 2004 (16.08.2004)			
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237					
Applicant LG ELECTRONICS, INC.					
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	<u></u>	•					
1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).						
2.	This REPORT consists of a total of 5 sheets, including this cover sheet.						
	In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.						
3.	3. This report contains indications relating to the following items:						
	Box No. I Basis of the report  Box No. II Priority						
	Box No. III	applicability  Lack of unity of invention  Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement  Certain documents cited  Certain defects in the international application					
	Box No. IV						
	Box No. V						
	Box No. VI						
	Box No. VII						
	Box No. VIII						
4.	4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).						
		•	Date of issuance of this report 20 February 2007 (20.02.2007)				
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland			Authorized officer Philippe Becamel				
Facsimile No. +41 22 338 82 70			e-mail: pt12.pct@wipo.int				

Form PCT/IB/373 (January 2004)